

circulatory system than a wild-type phage of the same strain.

Sub C1
32. The method according to claim 31, wherein said bacteria is a drug resistant bacteria.

33. The method according to claim 31, wherein said bacteriophage has at least a 15% longer half-life than said wild-type phage.

Sub C2
34. The method according to claim 31, wherein the bacteriophage is obtained by anti-HDS selection (serial passage) of a mutagenized or non-mutagenized bacteriophage which is able to survive in an animal for a longer period than a wild-type bacteriophage of the same strain.

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35. The method according to claim 31, wherein the bacteria^{are} is selected from the group consisting of Mycobacteria, Staphylococci, Vibrio, Enterobacter, Enterococci, Escherichia, Haemophilus, Neisseria, Pseudomonas, Shigella, Serratia, Salmonella and Streptococci, and the bacteriophage can effectively lyse the bacteria.

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36. The method according to claim 35, wherein the bacteria^{are} is selected from the group consisting of M. tuberculosis, M. avium-intracellulare and M. bovis.

Sub C3
37. The method according to claim 31, wherein the bacteriophage is

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Sub
C3 administered by way of an aerosol to an animal's lungs.

38. The method according to claim 31, wherein the bacteriophage is administered at a dosage of about 10^6 to about 10^{13} pfu/kg/day.

39. The method according to claim 28, wherein the bacteriophage is administered at a dosage of about 10^{12} pfu/kg/day.

40. A method for treating an infectious disease caused by a bacteria, comprising administering to an animal in need of such treatment an antibiotic and/or a chemotherapeutic agent in combination with a bacteriophage specific for said bacteria, in a dosage effective to substantially eliminate the bacteria, wherein said bacteriophage has a longer half-life in an animal's circulatory system than a wild-type phage of the same strain.--

REMARKS

The above amendments are believed to place the claims in proper condition for examination. Early and favorable action is awaited.